



ENFORCER Products, Inc.  
P.O. Box 1060  
Cartersville, GA 30120  
1-888-805-HELP

## Material Safety Data Sheet and Safe Handling and Disposal Information

### Section 1. Chemical Product and Company Identification

**Product Name** Oven and Grill Cleaner  
**Product Code** HD0271-24 CN0271-24  
**Formula No.** 0210  
**Date of issue** 03/27/03 **Supersedes** 02/28/02

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**Emergency telephone number** **For MSDS Information:**  
Compliance Services (404) 352-1680

**For a Medical Emergency:**  
INFOTRAC  
(877) 541-2016 (Toll Free - Calls Recorded)

**For a Transportation Emergency:**  
CHEMTREC  
(800) 424-9300 (Toll Free - Calls Recorded)

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**Prepared by** Compliance Services Group  
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Atlanta, GA 30318

### Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
1) POTASSIUM HYDROXIDE; caustic potash; lye	1310-58-3	0-5	<b>ACGIH /OSHA (United States).</b> CEIL: 2 mg/m <sup>3</sup>
2) ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	0-5	<b>ACGIH TLV (United States). Skin</b> TWA: 20 ppm Form: Vapor <b>OSHA PEL (United States). Skin</b> TWA: 25 ppm Form: Vapor
3) MONOETHANOLAMINE; 2-aminoethanol; MEA	141-43-5	0-5	<b>OSHA PEL (United States).</b> TWA: 3 ppm <b>ACGIH TLV (United States).</b> STEL: 6 ppm
4) BLEND OF ISOBUTANE, PROPANE & n-BUTANE	75-28-5; 74-98-6; 106-97-8	0-5	<b>ACGIH TLV (United States).</b> TWA: 800 ppm <b>OSHA PEL (United States).</b> TWA: 1000 ppm

### Section 3. Hazards Identification

#### Acute Effects

**Routes of Entry** Absorbed through skin. Eye contact. Inhalation.  
Ingestion.

**Eyes** Hazardous in case of eye contact (corrosive).

**Skin** Hazardous in case of skin contact (corrosive, permeator). Skin contact may produce burns. Harmful if absorbed through the skin.

**Inhalation** Hazardous in case of inhalation (lung corrosive). Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.

**Ingestion** May be fatal if swallowed. May cause burns to mouth, throat, and stomach.

**Chronic Effects** The substance may be toxic to blood, kidneys, liver. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

**Carcinogenic Effects** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

See Toxicological Information (section 11)

#### HMIS

<b>Health</b>	<b>3</b>
<b>Fire Hazard</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>C</b>

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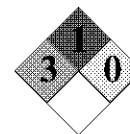
#### Section 4. First Aid Measures

<b>Eye Contact</b>	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
<b>Ingestion</b>	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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#### Section 5. Fire Fighting Measures

<b>Flash Point</b>	Not applicable.	<b>Flammable Limits</b>	Not applicable.
<b>Flammability</b>	Non-flammable. (CSMA)	<b>Fire Hazard</b>	Not applicable.
<b>Fire-Fighting Procedures</b>	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.		



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#### Section 6. Accidental Release Measures

**Spill Clean up** Unlikely in this form.

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#### Section 7. Handling and Storage

<b>Handling</b>	Avoid prolonged contact with eyes, skin, and clothing. Avoid contact with eyes. Do not ingest. Do not breathe vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area. Store below 120°F.

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#### Section 8. Exposure Controls, Personal Protection

##### Personal Protection

<b>Eyes</b>	Chemical splash goggles.
<b>Body</b>	Synthetic apron. Use chemical resistant, impervious gloves.
<b>Respiratory</b>	Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.

##### Protective Clothing (Pictograms)



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#### Section 9. Physical and Chemical Properties

<b>Physical State</b>	Liquid.	<b>Color</b>	Grayish white.
<b>pH</b>	13.0 - 14.0	<b>Odor</b>	Butyl
<b>Boiling Point</b>	100°C (212°F)	<b>Vapor Pressure</b>	Not available.
<b>Specific Gravity</b>	1.43 (Water = 1)	<b>Vapor Density</b>	Not available.
<b>VOC (Consumer)</b>	114 (g/l).	<b>Evaporation Rate</b>	<1 compared to Water
<b>Solubility</b>	Easily soluble in cold water, hot water.		

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#### Section 10. Stability and Reactivity

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Reactive with oxidizing agents, acids.
<b>Hazardous Decomposition Products</b>	These products are carbon oxides (CO, CO <sub>2</sub> ) and nitrogen oxides (NO, NO <sub>2</sub> ...)
<b>Hazardous Polymerization</b>	Will not occur.

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#### Section 11. Toxicological Information

<b>Toxicity to Animals</b>	<b>Ethylene glycol monobutyl ether:</b> ORAL (LD50): Acute: 1746 mg/kg [Rat]. <b>Monoethanolamine:</b> ORAL (LD50): Acute: 2100 mg/kg [Rat]. DERMAL (LD50): Acute: 1000 mg/kg [Rabbit]. <b>Blend of Isobutane, Propane, and n-Butane</b> LD50: Not available. LC50: Not available. <b>Potassium hydroxide:</b> ORAL (LD50): Acute: 365 mg/kg [Rat].
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**Section 12. Ecological Information**

Ecotoxicity Not available.

Biodegradable/OECD Not available.

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**Section 13. Disposal Considerations**

**Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Waste Stream** D002

**Consult your local or regional authorities.**

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**Section 14. Transport Information**

**Proper shipping name** Consumer Commodity

**DOT Classification** ORM-D

**UN number** Not applicable.

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**TDG Classification** ORM-D

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**Section 15. Regulatory Information**

**U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting: Ethylene glycol monobutyl ether  
Clean Water Act (CWA) 311: Potassium hydroxide  
Clean air act (CAA) 112 regulated toxic substances: Ethylene glycol monobutyl ether

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**State Regulations** California prop. 65: No products were found.

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**WHMIS (Canada)** CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).  
CLASS E: Corrosive liquid.

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**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*